

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 9 | (("6252667") or ("6295171") or ("4258468") or ("6313918") or ("5933216") or ("5674414") or ("6040552") or ("6037564") or ("60387911") or ("4447291")).PN. | USPAT; USOCR | OR | OFF | 2007/05/11 11:22 |
| S57 | 2 | S56 and (mov\$4 near5 (optic\$4 lens)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:51 |
| S58 | 2 | (("6515257") or ("5463200")).PN. | USPAT; USOCR | OR | OFF | 2006/10/24 11:36 |
| S59 | 2 | laser with defin\$7 near5 (theta "f theta") adj3 lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/24 11:59 |
| S60 | 248 | independ\$7 with optic\$7 near focus\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:23 |
| S61 | 57 | S60 same laser | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:24 |
| S62 | 18 | S61 and ((laser beam) near2 (plural\$5 multiple array\$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:30 |
| S63 | 56 | S60 and ((laser beam) near2 (plural\$5 multiple array\$5)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:25 |
| S64 | 6 | S63 and independ\$7 near2 steer\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:32 |
| S65 | 0 | S60 and independ\$7 near2 steer\$4 not S64 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:33 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|----|------------------|
| S66 | 104 | (laser with (optic mirror mma)) and (independ\$7 near2 steer\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:34 |
| S67 | 98 | S66 not S64 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:34 |
| S68 | 58 | (laser with (optic mirror mma)) and ((laser beam) with (independ\$7 near2 steer\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:34 |
| S69 | 35 | (laser with (optic mirror mma)) and ((laser beam) with (independ\$7 near2 steer\$4) with (optic mirror mma)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:34 |
| S70 | 29 | S69 not S64 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:35 |
| S71 | 0 | S70 and mma | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:35 |
| S72 | 4 | S70 and mirror near array\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:35 |
| S73 | 5786 | (plural\$5 near5 (laser beam) with split\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S74 | 315 | S73 and ((independent\$4 individual\$4) near5 (steer\$4 focus\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S75 | 71 | S74 and (mov\$4 with (optic\$4 element) with focus\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |

EAST Search History

| | | | | | | |
|-----|------|---|---|----|----|------------------|
| S76 | 31 | S75 and ((array\$4 simultaneous\$4) with (plural\$4 multiple) with beam) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S77 | 10 | S76 and ((depend\$5 independ\$5) near3 focus\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S78 | 6 | S77 and (theta "f theta") adj3 lens | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S79 | 3192 | ((array\$4 simultaneous\$4) with (plural\$4 multiple) with (laser beam) with (imping\$4 deliver\$4 strik\$4 focus\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S80 | 75 | S79 and ((laser beam) with (imping\$4 deliver\$4 strik\$4 focus\$4) with (hole aperture apeture drill\$4 punch\$4 opening machin\$4) with (board substrate circuit pcb pc)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S81 | 26 | S80 and ((laser beam\$3) with (independent\$4 individual\$4) near5 (steer\$4 focus\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S82 | 20 | S81 not S78 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S83 | 12 | S82 and (laser with (independent\$4 individual\$4 steer\$4 focus\$4) with (imping\$4 deliver\$4 strik\$4 focus\$4 hole aperture apeture drill\$4 punch\$4 opening machin\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |
| S84 | 2 | S83 and (mov\$4 near5 (optic\$4 lens)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:52 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|----|------------------|
| S85 | 2 | S84 and focus | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:53 |
| S86 | 0 | S84 and focus\$3 with (fig figure) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 11:58 |
| S87 | 40 | ((electrostatic near3 (lens\$4 multipole)) with optic\$4) same laser | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:01 |
| S88 | 1 | ((electrostatic near3 (lens\$4 multipole)) with optic\$4) and (laser with beamlet) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:00 |
| S89 | 110 | ((electrostatic near3 (lens\$4 multipole)) with optic\$4) and (laser adj beam) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:00 |
| S90 | 17 | ((electrostatic near3 (lens\$4 multipole)) with optic\$4) same laser adj beam | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:11 |
| S91 | 2 | S90 and lens with focus | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:29 |
| S92 | 100 | "f-theta" with optic\$4 with laser with focus\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:13 |
| S93 | 0 | "f-theta" with optic\$4 with laser with focus\$4 with defin\$9 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:14 |
| S94 | 21 | "f-theta" with optic\$4 with defin\$9 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:15 |

EAST Search History

| | | | | | | |
|------|-----|---|---|----|----|------------------|
| S95 | 24 | "f-theta" with defin\$9 not S94 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:16 |
| S96 | 1 | "f-theta" with definition not S94 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:16 |
| S97 | 31 | adjust\$4 with (beamlet "sub-beam" "sub-beams") with independently | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:30 |
| S98 | 0 | S97 same (optic\$4 near4 lens\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:31 |
| S99 | 28 | S97 same (optic\$4 lens\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:31 |
| S100 | 7 | S97 same optic\$4 same lens\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:33 |
| S101 | 21 | S99 not S100 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:44 |
| S102 | 10 | S101 and focus\$5 with convex | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/11 12:46 |
| S103 | 100 | array\$4 and focus\$5 and convex and lens\$4 | JPO | OR | ON | 2007/05/11 12:46 |
| S104 | 0 | mma and focus\$5 and convex and lens\$4 | JPO | OR | ON | 2007/05/11 12:47 |
| S105 | 18 | plural\$4 with laser and focus\$5 and convex and lens\$4 | JPO | OR | ON | 2007/05/11 12:47 |